

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Jiro HITOMI, et. al.

Serial No.:

09/910,208

Filed:

July 20, 2001

For:

**NOVEL CALCIUM-BINDING PROTEINS** 

Mail Stop Sequence Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

# STATEMENT IN COMPLIANCE WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Sir:

The contents of the sequence listing information recorded in computer readable format is identical to the written sequence listing provided herewith and contains no new matter.

Respectfully submitted,

Heidi M. Struse

Registration No. 50,288

Date: December 14, 2004 Anderson Kill & Olick 1251 Avenue of the Americas New York, NY 10020-1182 (212) 278-1000

#### **CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Sequence Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 on December 14, 2004

Maggie McGarry



# SEQIDNO2.ST25 SEQUENCE LISTING

		TRADENT		SEC	QUENC	E LI	ISTI	NG		,				
<110>	Hitomi Yamamui Kimura Yamagu	ra, Tol , Tatsı	ıji	°O										
<120>	Novel Calcium-Binding Proteins													
<130>	MM4454													
	US 09/910,208 2001-07-20													
<160>	18													
<170>	PatentIn version 3.2													
<212>	> 1 > 429 > DNA > calcium-binding protein													
<220> <221> exon <222> (48)(323) <223> Amino acid sequence of calcium-binding protein from bovine amniotic fluid														
<400> ctggca	1 ttcc aca	acttct	gt go	agag	ggggt	ga a	acgta	agtt	tggt	taaa		act Thr		56
ctg ga Leu Gl 5	a gat ca u Asp H	ac ctg is Leu	gag Glu	gga Gly 10	atc Ile	atc Ile	aac Asn	atc Ile	ttc Phe 15	cac His	cag Gln	tac Tyr	tcc Ser	104
	g gtg gg g val G												cag Gln 35	152
	c aca aa e Thr Ly													200
	c att ga r Ile As 5!	sp Lys												248
	c agc ti 1 Ser Pl 70													296
	c cac at a His I						tag	gaago	ctc 1	tttc	cagca	aa		343
tgtccccaag aagacttacc cttctcctcc ctgaggctgc cttacccgag ggaagagag										403				
attaataaac gtactttggc aaagtt									429					

```
<210> 2
<211>
       50
<212>
       PRT
<213>
       Bos taurus
<400>
       2
Thr Lys Leu Glu His Leu Glu Gly Ile Ile Asn Ile Phe His Gln Tyr
Ser Val Arg Val Gly His Phe Asp Thr Leu Asn Lys Arg Glu Leu Lys
Gln Leu Ile Thr Lys Glu Leu Pro Lys Thr Leu Gln Asn Thr Lys Asp
Gln Pro
    50
<210> 3
       8
<211>
<212>
       PRT
<213>
       Bos taurus
<400> 3
Ile Phe Gln Asp Leu Asp Ala Asp
<210> 4
       12
<211>
<212>
       PRT
<213>
       Bos taurus
<400> 4
Asp Gly Ala Val Ser Phe Glu Glu Phe Val Val Leu
<210>
       9
<211>
<212>
       PRT
<213>
       Bos taurus
<400>
Thr Ala His Ile Asp Ile His Lys Glu
1 5
<210>
       6
       31
<211>
<212> PRT
<213> Bos taurus
<400> 6
```

Leu Pro Lys Thr Leu Gln Asn Thr Lys Asp Gln Pro Thr Ile Asp Lys Ile Phe Gln Asp Leu Asp Ala Asp Lys Asp Gly Ala Val Ser Phe 20 25 30 <210> 7 <211> 20 <212> PRT <213> Bos taurus <400> 7 Glu Phe Val Val Leu Val Ser Arg Val Leu Lys Arg Ala His Ile Asp Ile His Lys Glu <210> 8 <211> 20 <212> DNA <213> artificial <220> <223> sense primer <220> <221> misc\_feature <222> (3)..(3) <223> n is a, c, g, or t <220> <221> misc\_feature <222> (15)..(15) <223> n is a, c, g, or t <400> 8 20 ttngargayc ayytngargg <210> 9 <211> 20 <212> DNA <213> artificial

<220>

<223> antisense primer

<220> <221> misc\_feature <222> (18)..(18) <223> n is a, c, g, or t <400> 9 ttrtgdatrt cdatrtgngc

20

	10 23 DNA artifici	ial										
<220> <223>	forward	forward primer										
	10 acga ctco	tggagc c	cg									23
<211> <212>	11 24 DNA artifici	24										
<220> <223>	> > reverse primer											
	11 ccag acca	actggt a	atg									24
<211> <212>	12 440 DNA humab ca	ılcium-bi	nding pr	oteir	า							
<pre>&lt;220&gt; &lt;221&gt; exon &lt;222&gt; (22)(297) &lt;223&gt; Deduced amino acid sequence for human calcium-binding protein.</pre>												
<400> ggttaa	12 catt aggo	tgggaa g	atg aca Met Thr 1									51
	c aat ato l Asn Ile											99
acc ct Thr Le	c tct aag u Ser Lys 30	ggt gag Gly Glu	ctg aag Leu Lys	cag Gln 35	ctg Leu	ctt Leu	aca Thr	aag Lys	gag Glu 40	ctt Leu	gca Ala	147
aac ac Asn Th	c atc aag r Ile Lys 45	g aat ato S Asn Ile	aaa gat Lys Asp 50	aaa Lys	gct Ala	gtc Val	att Ile	gat Asp 55	gaa Glu	ata Ile	ttc Phe	195
caa gg Gln Gl 60	c ctg gat y Leu Asp	gct aat Ala Asn	caa gat Gln Asp 65	gaa Glu	cag Gln	gtc Val	gac Asp 70	ttt Phe	caa Gln	gaa Glu	ttc Phe	243
	c ctg gta r Leu Val											291
aaa ga	g taggtag	ctc tctg	aagctt t	ttaco	_	aat Page	_	tca	atga	agggt	tct	347

Lys Glu

tttctttccc tcaccaaaac ccagccttgc ccgtggggag taagagttaa taaacacact	407
cacgaaaagt taaaaaaaaa aaaaaaaat tct	440
<210> 13 <211> 20 <212> DNA <213> artificial	
<220> <223> sense primer	
<400> 13 actatcaaca tcttccacca	20
<210> 14 <211> 20 <212> DNA <213> artificial	
<220> <223> antisense primer	
<400> 14 tctttatcgg catccaggtc	20
<210> 15 <211> 15 <212> DNA <213> artificial	
<220> <223> primer PMN.HP7S 1-15	
<400> 15 tactcagttc ggaag	15
<210> 16 <211> 15 <212> DNA <213> artificial	
<220> <223> primer PMN.HP7A 126-112	
<400> 16 ttggaatatt tcatc	15
<210> 17 <211> 20 <212> DNA <213> artificial	
<220> <223> primer HP7S 7-26	

Page 5

	ggct gggaagatga	20
<212>	18 20 DNA artificial	
<220> <223>	primer HP7A 336-317	
	18 tgct gggtaaaag	20